

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 18 December 2003 (18.12.2003)

PCT

(10) International Publication Number WO 2003/103743 A3

(51) International Patent Classification⁷:

A61F 2/06

(21) International Application Number:

PCT/US2003/018059

(22) International Filing Date:

10 June 2003 (10.06.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

10/166,059

10 June 2002 (10.06.2002) US

(71) Applicant and

(72) Inventor: RUBIN, Leo [US/US]; 3 Lynne Court, Suffern, NY 10901 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 22 July 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



(57) Abstract: The present invention relates to intra-lumenal drug delivery devices. The device, such as a stent, is coated or impregnated with a pharmaceutical agent suitable for use in treatment of restenosis, pulmonary hypertension, and cancer. Suitable pharmaceutical agents include vasodilators and chemotherapeutics.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/18059

			101,000,1		
A. CLASSIFICATION OF SUBJECT MATTER IPC(7)					
US CL : 623/1.42-1.46; 514/49					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 623/1.42-1.46; 514/49					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST - Keyword: vasoactive near intestinal near pepetide					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.	
X,T US 6	US 6,613,753 B2 (RUBINFELD et al.) 02 September 2003 (02.09.2003)			1-22	
Further docur	nents are listed in the continuation of Box C.	See patent t	family annex.		
	tegories of cited documents:	"T" later document published after the international filing date or priority			
"A" document defining the general state of the art which is not considered to be of particular relevance		date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
"E" earlier application or patent published on or after the international filing date		"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination			
"O" document referring to an oral disclosure, use, exhibition or other means			to a person skille		
"P" document publish priority date clain	document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family		
	ompletion of the international search	Date of mailing of the international search report 21 MAY 2004			
		Authorized officer		Thuld leaves	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		(Jackie) Tan-Uyen T. Ho Sheila H. Veney			
P.O. Box 1450				Paralegal Specialist	
Alexandria, Virginia 22313-1450 Telephone No. (703) 308-0858 Tech. Center 3700					
Facsimile No. (703) 305-3230					

Form PCT/ISA/210 (second sheet) (July 1998)